Name _____

ANSWERS

PERIMETER OF TRAPEZOIDS

Instructions: Calculate the perimeter of trapezoids in different everyday situations.

Exercise 1: Farm Plot

A farm plot is designed in the shape of a trapezoid. The shorter side is 18 meters, the longer side is 30 meters, and each of the slanted sides is 10 meters.

Question: Determine the total length of fencing required to surround the plot.

Solution:

Perimeter = 18 m + 30 m + 10 m + 10 m = 68 meters

Exercise 2: Swimming Pool Deck

A trapezoid-shaped deck surrounds a swimming pool. The top side of the deck is 15 feet, the bottom side is 25 feet, and the two sides measure 8 feet each.

Question: Calculate the total length of material needed to border the entire deck.

Solution:

Perimeter = 15 ft + 25 ft + 8 ft + 8 ft = 56 feet

Exercise 3: Driveway Border

A driveway has a trapezoid-shaped border with the following measurements: the shorter edge is 9 meters, the longer edge is 20 meters, and the two slanted sides are each 7 meters.

Question: How much border material is needed to outline the driveway?

Solution:

Perimeter = 9 m + 20 m + 7 m + 7 m = 43 meters

How Did You Do? ☺ 😐 ☹